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DESCRIPTORS: *Hydrocarbons, *Dehydrogenation, Catalysts, Hexanes, Octanes.

(Chemistry--Organic, TT, v. 6, no. 2)

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II. Timofeyeva, Ye. A.
III. ATS-27N50R
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Catalytic Reduction of Phenylcarbinols into [illegible] Hydrocarbons, by N. I. Shuykin, I. F. Bel'skiy.
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Catalytic Isomerization of Bicyclopentyl in Presence of Hydrogen Under Pressure, by N. I. Shuykin, M. I. Cherkashin, G. K. Gayvoronskaya, 3 pp.

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CATALYTIC DEHYDROGENATION OF PETROLEUM-METHYLCYCLO-PENTANE. [1963] 10p 20refs
Order from OTS, SLA, or ETC $1.10 TT-64-10102

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 473-479. (Abstract available)

DESCRIPTORS: *Petroleum, *Cyclopentanes, Methyl radicals, *Dehydrogenation, Catalysis, *Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides, Activated carbon, *Cyclopentadiene, Production.

The reaction of dehydrogenation of the methylcyclo-propane fraction 69-75 C from Baku gasoline of straight distillation was investigated in the presence of different oxide catalysts and active carbon. It was established, that at 600 C, under a pressure reduced to 15-20 mm. Hg. and at a supply rate of 0.3 hour^{-1}, the yield in (Chemistry--Organic, TT, v. 11, no. 5) (over)

TT-64-10102

I. Title: Methylcyclopentane
I. Shulkin, N. I.
II. Naryshkina, T. I.

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Shulkin, N. I., Timofeeva, E. A., Plotnikov, Yu. N., and others.
PRODUCTION OF ALKENES C_6-C_{10} BY CATALYTIC DEHYDROGENATION OF ALKANES. [1963] 17p 33refs Order from OTS, SLA, or ETC $1.60 TT-64-10107

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 457-466. (Abstract available).

DESCRIPTORS: *Alkenes, *Hexenes, Production, *Alkanes, *Hexanes, *Dehydrogenation, *Catalysis, Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides.

Dehydrogenation of 2-methylpentane, 3-methylpentane and 2, 3-dimethylbutane on alumina-chromia-potassia catalyst at 500 C and a space velocity of 0, 5 hour^{-1} showed that C_6 alkanes, with a chain shorter than 6 C atoms, give easily 32 to 40% of alkenes in the catalyzate. Existence of two types active centers, dehy-
(Chemistry--Organic, TT, v. 11, no. 5) (over)

TT-64-10107

I. Shulkin, N. I.
II. Timofeeva, E. A.
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High-Temperature Transformations of Ethylcyclohexane in Presence of Palladium-Alumina and Hydrogen at High Pressure in a Flow System, by N. I. Shuykin, Kh. M. Minachev, V. L. Vinogradov, Yu. P. Egorov, 8 pp.

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NTC 69-12511-07C

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High-Temperature Transformations of n-Nonane on a Platinized Aluminum Silicate in a Flow System in Presence of Hydrogen at High Pressure, by Kh. M. Minachev, N. I. Shuykin, L. M. Feyofanova, Yu. P. Egorov, 5 pp.

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Oxide-Metal Catalysts for the Reforming of Gasolines. Communication 1. Reforming of the 96-114° Fraction of Il'ych-Khadyzhensk Petroleum Over a Platinum-Silica Catalyst, Kh. M. Minachev, N. I. Shuykin, M. A. Ryashentseva, N. P. Kononov, 6 pp.

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Oxide-Metal Catalysts for the Reforming of Gasolines. Communication 2. Reforming of Narrow Gasoline Factions of Ilsk and Second Baku Petroleums Over Platinum Catalysts. by Kh. M. Minachev, N.I. Shuykin, N.F. Kononov, I.L. Garanin, M.A.Ryashentseva, 5 pp.

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Dehydrogenation of n-Pentane and Isopentane in the Presence of an Aluminachromia-Potassia Catalyst, by N. I. Shuykin, Ye. A. Timofeyeva, and T. P. Dobrynina, 5 pp.

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...tions of Methylcyclohexane and Toluene in ...ct With Aluminum Chloride, by N. I. Shuykin, ... N. Feofanova, 8 pp.

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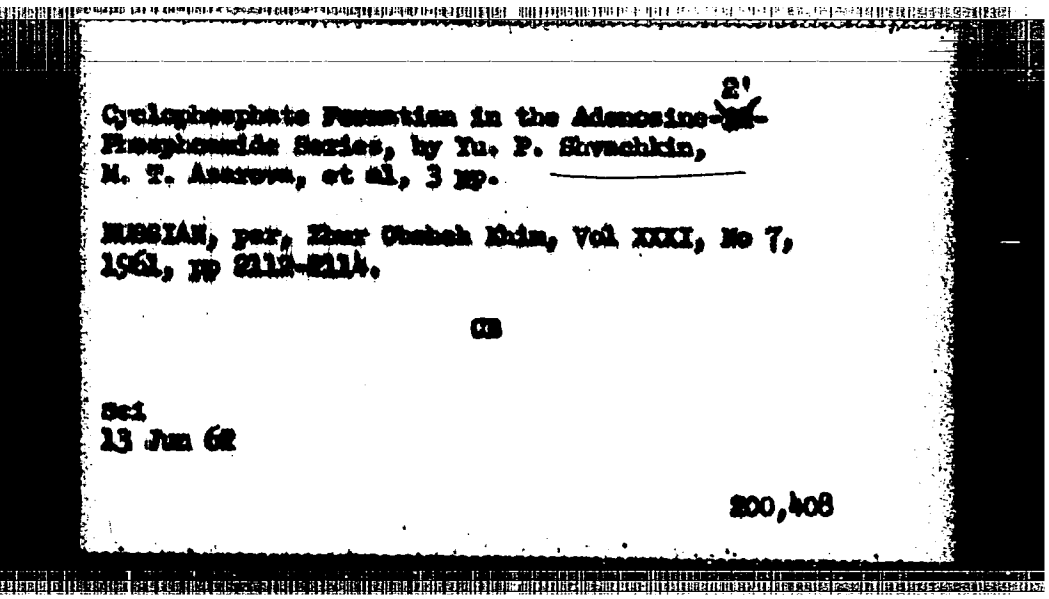

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